

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Brian S. Doyle, et al.

Serial No. 10/045,376

Filed: November 9, 2001

For: Methodology for Control of Short  
Channel Effects in MOS Transistors



Group Art: Not Yet Assigned

Examiner: Not Yet Assigned

#3  
D. Scott  
9-19-02

Commissioner of Patents  
Washington, D.C. 20231

SUBMISSION OF INVENTION DISCLOSURE STATEMENT AND REFERENCES

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The attached Invention Disclosure Statement and accompanying references are hereby submitted for consideration by the Examiner. These were previously submitted but were apparently never placed in the file. Attached is a photocopy of the return postcard showing that the IDS was previously received by you.

No fee is believed due with this submission. In this is incorrect, please charge any insufficiency or credit any overpayment to Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY SOLOKOFF TAYLOR & ZAFMAN LLP

Date:

4-22-02

*John Travis*

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Received  
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Serial/Patent No. Not Yet Assigned  
Client: Intel Corporation  
Title: Methodology for Control of Short Channel Effects in MOS Transistors  
BSTZ File No. 42390P5768D  
Date Mailed: 01-25-02  
Filing/Issue Date: 11-9-01  
Atty/Sec'y Initials: WWR/OW (REH)  
Docket Due Date: \_\_\_\_\_  
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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	<b>Application Number</b>	10/045,376
	<b>Filing Date</b>	11-09-2001
	<b>First Named Inventor</b>	Brian S. Doyle, et al.
	<b>Group Art Unit</b>	Not Yet Assigned
	<b>Examiner Name</b>	Not Yet Assigned
<b>Total Number of Pages in This Submission</b>	<b>Attorney Docket Number</b>	42390P5768D

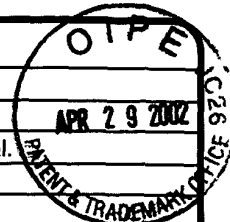
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	John Travis Reg. No. 43,203
Signature	<i>John Travis</i>
Date	4-22-02

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/045,376
		Filing Date	11-09-2001
		First Named Inv ntor	Brian S. Doyle, et al.
		Gr up Art Unit	Not Yet Assigned
		Examiner Name	Not Yet Assigned
Sheet 1 of 2	Attorney Docket Number	42390P5768D	



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Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		G.A. HISHMEH & L. CARTZ, F. DESAGE, C. TEMPLIER, & J.C. DESOYER, R.C. BIRTCHE; Rare Gas Bubbles in Muscovite Mica Implanted with Xenon and Krypton; J. Mater. Res., Vol. 9 No. 12, December 1994, pp. 3095-3107.	
		REIJI YAMADA, STEVEN J. ZINKLE, G. PHILIP PELLIS; Microstructure of Al <sub>2</sub> O <sub>3</sub> and MgAl <sub>2</sub> O <sub>4</sub> Preimplanted with H, He, C and Irradiated with Ar <sup>+</sup> ions*; Elsevier Science B.V.; Journal of Nuclear Materials 209 (1994); pp. 191-203.	
		E.D. SPECHT, D.A. WALKO, & S.J. ZINKLE; Density Reduction: A Mechanism for Amorphization at High Ion Doses; Mat.Res.Soc.Symp.Proc. Vol. 316; 1994 Materials Research Society, pp. 241-246.	
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		R. SIEGELE, G.C. WEATHERLY & H.K. HAUGEN, D.J. LOCKWOOD, L.M. HOWE; Helium Bubbles in Silicon: Structure and Optical Properties; Appl. Phys. Lett. 66 (11) 13 March 1995, 1995 American Institute of Physics, pp. 1319-1321.	
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		V. RAINERI, G. FALLICA, S. LIBERTINO; Lifetime Control in Silicon Devices by Voids Induced by He Ion Implantation; J. Appl. Phys. 79 (12). 15 June 1996, American Institute of Physics; pp. 9012-9016.	
		D.M. FOLLSTAEDT, S.M. MYERS, S.R. LEE, J.L. RENO, R.L. DAWSON & J. HAN; Interaction of Cavities and Dislocations in Semiconductors; Mat. Res. Soc. Symp. Proc. Vol. 438, 1997 Materials Research Society, pp. 229-234.	
		J.W. MEDERNACH, T.A. HILL, S.M. MYERS, AND T.J. HEADLEY; Microstructural Properties of Helium Implanted Void Layers in Silicon as Related to Front-Side Gettering; J. Electrochem. Vol. 143, No. 2, February 1996, The Electrochemical Society, Inc., pp. 725-735.	

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Sheet 2 of 2

**Complete if Known**

<b>Applicant Number</b>	10/045,376
<b>Filing Date</b>	11-09-2001
<b>First Named Inventor</b>	Brian S. Doyle, et al.
<b>Group Art Unit</b>	Not Yet Assigned
<b>Examiner Name</b>	Not Yet Assigned
<b>Attorney Docket Number</b>	42390P5768D

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